

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("6314383").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/13 06:59
S2	131	((braking near2 force) same ((brake near2 pressure) with (coefficient near2 friction)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 12:32
S3	1811	701/70	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 13:36
S4	330	(701/70 or 702/173 or 73/865) and mass and brake	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 13:37
S5	255	S4 and (acceleration and force)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/16 13:37
S6	19	(acceleration near5 speed) and ((slope near3 angle) with (resistance or coefficient)) and force	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/13 07:01
S7	7	("4380048"   "4630508"   "4743913"   "4899285"   "5371678"   "5410477"   "5419207").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 07:17
S8	991	(vehicle same mass) and ((slope with angle) or (rolling with resistance))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 07:32
S9	216	S8 and (brak\$3 near3 force)	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 07:18
S10	11	("20010014845"   "20030020731"   "20040153233"   "4679866"   "5088043"   "5128869"   "5233530"   "6434472"   "6510374"   "6711488"   "6792344").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 07:28

## EAST Search History

S11	85	(701/1 or 701/80 or 303/132 or 303/121 or 303/167 or 180/197 or 701/70 or 702/141) and (vehicle same mass) and ((slope with angle) or (rolling with resistance))	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/13 07:33
-----	----	--	------------------------------	----	----	------------------

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	21	vehicle and (driving same acceleration) and (GPS near5 (position with velocity))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 10:07
S2	2	("6314383").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/02 17:05
S3	493	(702/173).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/02 17:05
S4	38	vehicle and acceleration and (GPS near5 (position with velocity)) and ((determining with position) same (determining with velocity))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/04 09:38
S5	4	vehicle and (determin\$3 with (mass or weight)) and (GPS near5 (position with velocity)) and ((determining with position) same (determining with velocity))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/04 09:39
S6	627	vehicle and (determin\$3 with (mass or weight)) and (determining with velocity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/04 09:39
S7	143	S6 and GPS	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/04 09:50
S8	0	((determin\$3 or comput\$3 or calculat\$3) with acceleration) and ((determin\$3 or calculat\$3 or comput\$3) with (forces or "driving forces" or "resistance forces")) and (GPS with velocity) and (accealeation with velocity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/04 09:53

## EAST Search History

S9	52	((determin\$3 or comput\$3 or calculat\$3) with acceleration) and ((determin\$3 or calculat\$3 or comput\$3) with (forces or "driving forces" or "resistance forces")) and (GPS with velocity) and (acceleration with velocity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/04 10:10
S10	6	acceleration and forces and ("rotational forces" or "air resistance" or "braking force") and ((GPS with velocity) same (GPS with acceleration)) and ((acceleration near2 rate) or (derivative with acceleration))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/04 10:15
S11	21	acceleration and forces and ("rotational forces" or "air resistance" or "braking force") and ((GPS with velocity) same (GPS with acceleration))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/04 10:16
S12	56	acceleration and forces and ("rotational forces" or "air resistance" or "braking force") and (GPS with velocity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/04 10:16
S13	4	((("6314383") or ("6332354"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/12 07:10
S14	2	"20040181317" and (resistance near2 force) and (vehicle near2 acceleration)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 08:30
S15	177	(storing with (vehicle near2 (mass or weight)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 08:31
S16	6	((("6314383") or ("6332354") or ("20030040861"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/06 10:23
S17	0	(acceleration same ("vehicle speed" near5 "slop descending angle" near5 "rolling resistance coefficient"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 10:25

## EAST Search History

S18	1	(acceleration same (speed with slope with "rolling resistance coefficient"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 10:28
S19	15	(acceleration same (speed with slope with rolling))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 10:37
S20	2	("701"/\$.ccls. or "702"/\$.ccls.) and acceleration and (slope near4 descending near4 angle) and inclination and longitudinal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 10:42
S21	623	701/37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 10:42
S22	138	S21 and (slope or inclination)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 10:42
S23	37	S22 and @py<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 10:43
S24	561	(vehicle near4 mass) and (acceleration with force) and (slope or inclination)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 11:01
S25	248	S24 and @py<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 11:58
S26	6	(roadway with direction) and gravity and satellite-based	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:00
S27	116	(roadway with direction) and (slope near5 angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:00

## EAST Search History

S28	25	S27 and @py<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:03
S29	0	(acceleration same speed same slope same "resistance coefficient")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:04
S30	2	(acceleration same speed same slope same "resistance coefficient")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:05
S31	1	(acceleration near4 calculat\$3) and (speed same slope same "resistance coefficient")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:05
S32	745	(acceleration near4 calculat\$3) and (speed same slope)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:06
S33	388	S32 and @py<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:27
S34	588	((acceleration with calculat\$3) same (slope or "rolling resistance"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:28
S35	277	S34 and @py<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:44
S36	687	((detect\$3 or determin\$3) near4 (vehicle adj1 (mass or weight)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:45
S37	5509	(road near5 (slope or inclination or "resistance coefficient"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:46

## EAST Search History

S38	72	S36 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:46
S39	28	S38 and @py<"2002"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 12:46

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S92	2	("5832400").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/15 15:02
S93	7	("4380048"   "4630508"   "4743913"   "4899285"   "5371678"   "5410477"   "5419207").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 16:19
S94	803618	(mass or weight) and forces	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 16:20
S95	119693	(mass or weight) and (forces with (driving or resistance or rolling or descending or braking))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 16:23
S96	1078	S94 and S95 and ((mass or weight) near values)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 16:49
S97	22	S94 and S95 and ((mass or weight) near evaluation)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 16:24
S98	12	("4520444"   "4794538"   "4893242"   "4984165"   "4999778"   "5299452"   "5375452"   "5455770"   "5513907"   "5557523"   "5735579"   "5752212").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 16:37
S99	803618	(mass or weight) and forces	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:11
S10 0	119693	(mass or weight) and (forces with (driving or resistance or rolling or descending or braking))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:11
S10 1	1078	S99 and S100 and ((mass or weight) near values)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:11
S10 2	679	S101 and @py<"2002"	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:11
S10 3	5	("4548079"   "4656876"   "4941365"   "5187977"   "5402345").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:43
S10 4	2183	("701"/\$.ccls. or "303"/\$.ccls. or "180"/\$.ccls. or "188"/\$.ccls. or "73"/\$.ccls.) and (driving near forces) and (forces with (resistance or rotational or air or rolling or slope))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:45



## EAST Search History

S10 5	634	S104 and (braking near forces)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/15 17:45
S10 6	344	S105 and @py<"2002"	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 11:43
S10 7	5	("4548079"   "4656876"   "4941365"   "5187977"   "5402345").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 11:28
S10 8	2183	("701"/\$.ccls. or "303"/\$.ccls. or "180"/\$.ccls. or "188"/\$.ccls. or "73"/\$.ccls.) and (driving near forces) and (forces with (resistance or rotational or air or rolling or slope))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:53
S10 9	634	S108 and (braking near forces)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 11:43
S11 0	344	S109 and @py<"2002"	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 11:44
S11 1	21	S110 and ((sensor or detector) with ("pitch angle" or slope or inclination))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 11:55
S11 2	12747	((sensor or detector) with ("pitch angle" or slope or inclination))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:54
S11 3	111	S108 and S112	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:00
S11 4	45	S113 and @py<"2002"	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:53
S11 5	2398	vehicle and (pitch near angle)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:53
S11 6	2183	("701"/\$.ccls. or "303"/\$.ccls. or "180"/\$.ccls. or "188"/\$.ccls. or "73"/\$.ccls.) and (driving near forces) and (forces with (resistance or rotational or air or rolling or slope))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:56
S11 7	12747	((sensor or detector) with ("pitch angle" or slope or inclination))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:54
S11 8	13	S115 and S116 and S117	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:54

## EAST Search History

S11 9	21578	(driving near forces) and (forces with (resistance or rotational or air or rolling or slope))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:57
S12 0	14	S115 and S117 and S119	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:57
S12 1	47	S115 and S119	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 12:59
S12 2	35	("pitch angle" with (sensor or detector)) and ("pneumatic suspension" or headlights)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 13:29
S12 3	908	(braking near force) and (braking near pressure) and (coefficient near friction)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 13:31
S12 4	195	S123 and (inclination or slope)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 14:33
S12 5	0	(roadway near (inclination or slope)) and navigatin	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 13:45
S12 6	17	(roadway near (inclination or slope)) and navigation	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 13:50
S12 7	1	S124 and (roadway or "roadway slope" or "stree level") and navigation	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 13:51
S12 8	1	S123 and (roadway or "roadway slope" or "stree level") and navigation	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 13:52
S12 9	112	vehicle and navigation and (path same braking)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 13:53
S13 0	43	S129 and @py<"2002"	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 14:05
S13 1	3	((braking near force) same ("braking pressure" with (coefficient near friction))) and ((brake near lining) with (brake near disc))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 14:06
S13 2	908	(braking near force) and (braking near pressure) and (coefficient near friction)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 14:33
S13 3	195	S132 and (inclination or slope)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 14:34

## EAST Search History

S13 4	154	S133 and (slip or slippage)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 15:54
S13 5	2734	(vehicle with (mass or weight)) and (braking near force)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 15:55
S13 6	742	S135 and (slope or inclination)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 15:55
S13 7	500	S136 and @py<"2002"	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 15:55
S13 8	6	("5251136"   "5482361"   "5501514"   "5696681"   "5722743"   "5722744").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 16:22
S13 9	6	("5251136"   "5482361"   "5501514"   "5696681"   "5722743"   "5722744").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 16:41
S14 0	5700	vehicle and (driving near (condition or states or situations)) and (weight or mass)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 16:41
S14 1	3524	S140 and @py<"2002"	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 16:42
S14 2	631	vehicle and ((braking near forces) same (slope or inclination))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/17 10:43
S14 3	24	S141 and S142	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/16 16:42
S14 4	769	("303"/\$.ccls. or "180"/\$.ccls. or "188"/\$.ccls. or "73"/\$.ccls. or "701"/\$.ccls. or "324"/\$.ccls. or "702"/\$.ccls.) and ((vehicle with (mass or weight)) same (slope or inclination))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/17 10:45
S14 5	166	S144 and (braking near force)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/17 10:46
S14 6	137	S145 and @py<"2003"	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/17 13:01
S14 7	1496	303/15	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/17 13:02
S14 8	170	S147 and (brake near (lining or disc))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/17 13:16

## EAST Search History

S14 9	165	vehicle and (braking same ((slip or slippage) near (tires or roadway)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/17 13:17
S15 0	123	S149 and @py<"2003"	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/17 13:19
S15 1	2	("6054928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 15:20
S15 2	0	702/173 and vehicle and (determin\$3 near2 mass) and (GPS same (velocity with acceleration)) and ((deviation or chang\$3 or deviation or rate) with velocity)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 14:15
S15 3	0	702/173 and vehicle and (determin\$3 near2 mass) and (GPS same (velocity with acceleration))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 14:15
S15 4	10	vehicle and (determin\$3 near2 mass) and (GPS same (velocity with acceleration))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 14:16
S15 5	237	vehicle and GPS and (determin\$3 with mass) and velocity	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 14:40
S15 6	3	vehicle and ((roadway near2 slope\$2) with mass)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 14:41